

Missouri Water Resources Center

Mississippi River Flood Conditions Report

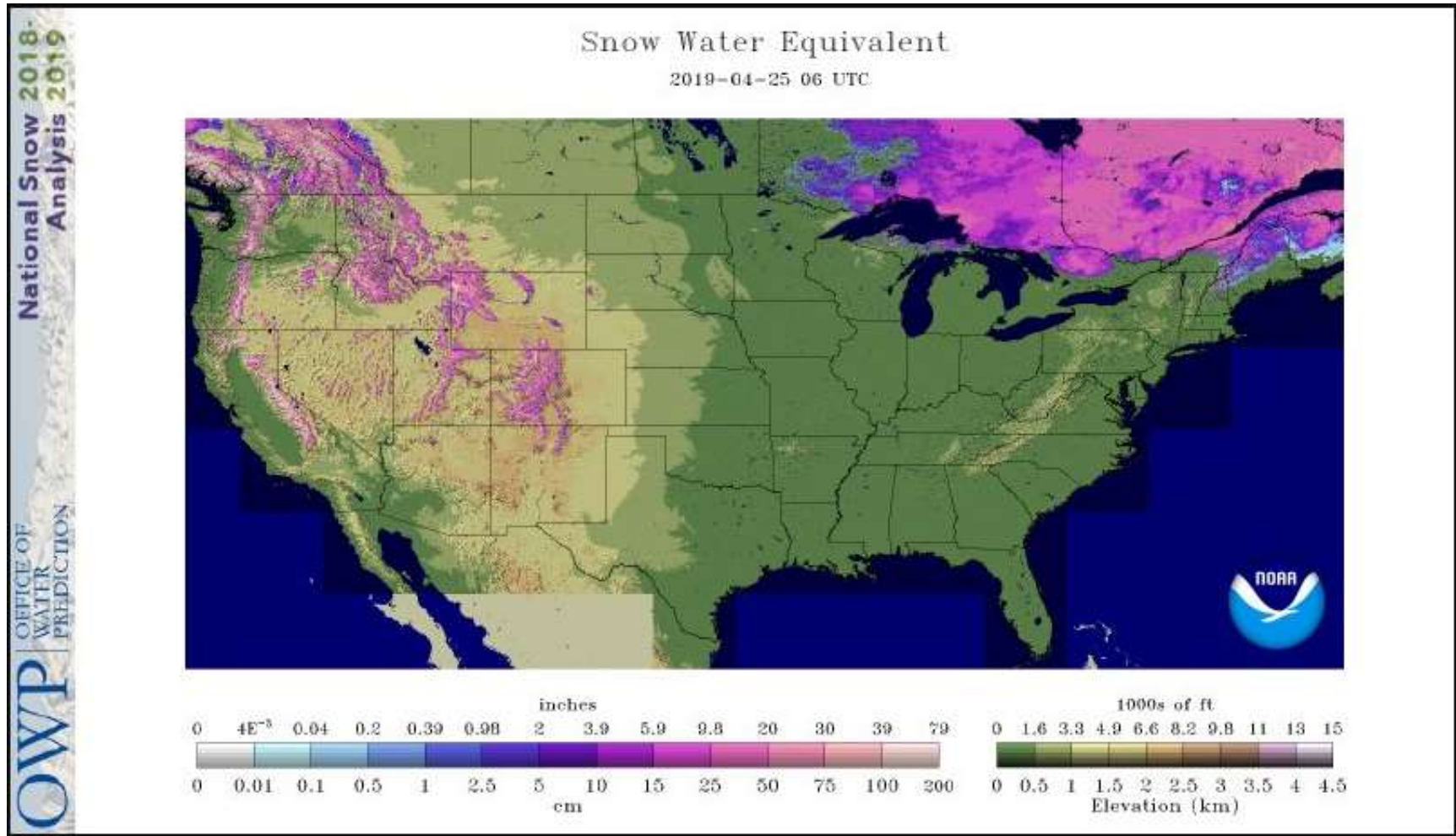
April 25, 2019

Mississippi River Flooding Status

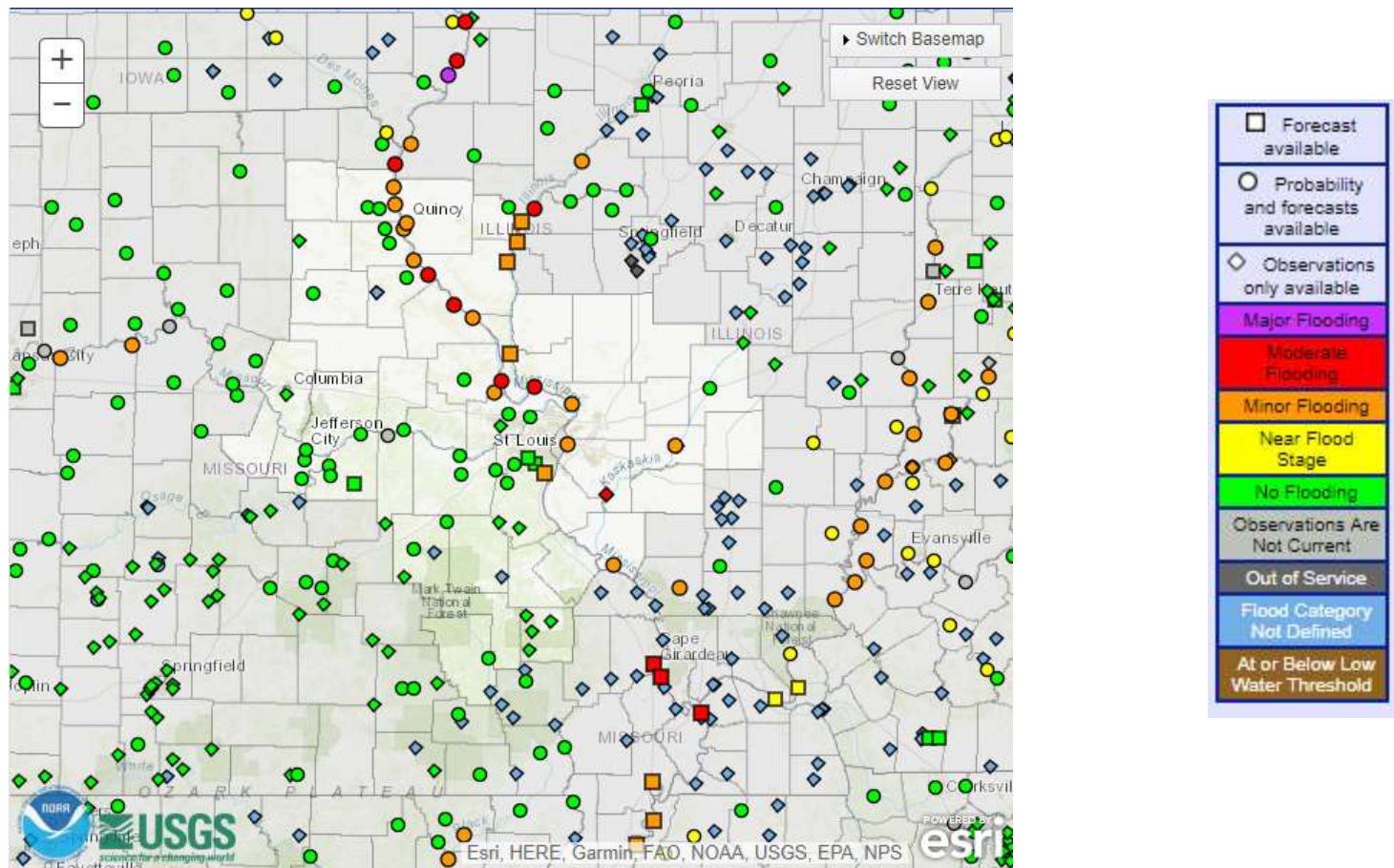
- Wide spread, but moderate precipitation remains in the forecast for the upper Mississippi River basin. This rainfall is causing the river to rise from St. Paul, Minnesota to Davenport Iowa, with the river predicted to rise back into major flood stage in locations near Davenport.
- No locations adjacent to the state of Missouri are currently forecast rise back to major flood stage. However forecasts for the Mississippi River are currently incorporating only 24-hour future precipitation into the river forecasts. With continued precipitation predicted, higher stages may occur as the models incorporate updated precipitation events.
- Below the mouth of the Missouri River (at St. Louis) the Mississippi River still has increased capacity and is predicted to continue to recede, with several gages predicted to transition out of flood stage.
- River levels this spring are now being dictated by regional precipitation events and residual soil moisture. Flooding on the Mississippi River earlier this spring was primarily driven by melting snowpack, however, no significant snow remains in the watershed (see map below).
- The Ohio River gage at Cairo (at the confluence of the Ohio and Mississippi Rivers) is in moderate flood stage: it is predicted to crest in the next 2-3 days and begin receding.



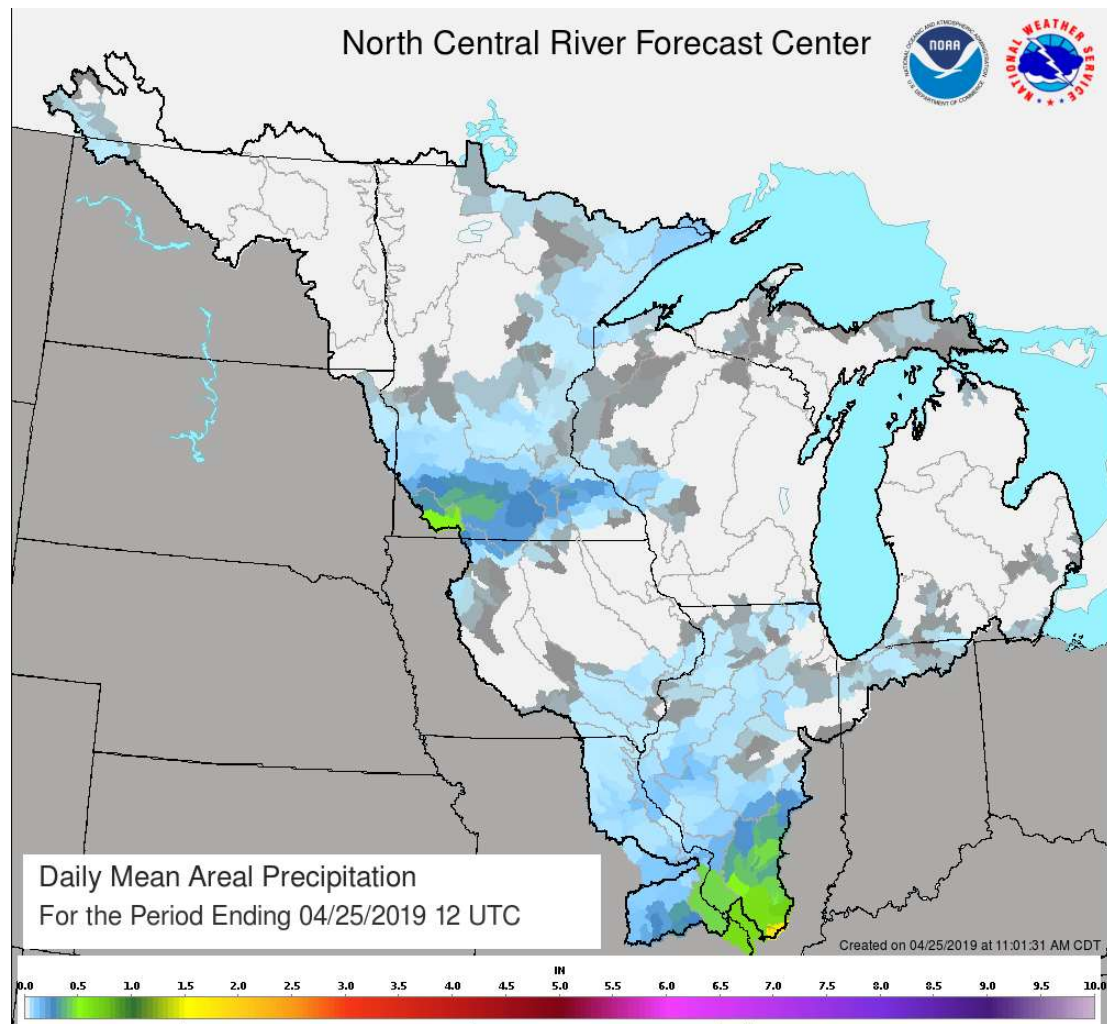
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Regional River Gage Status



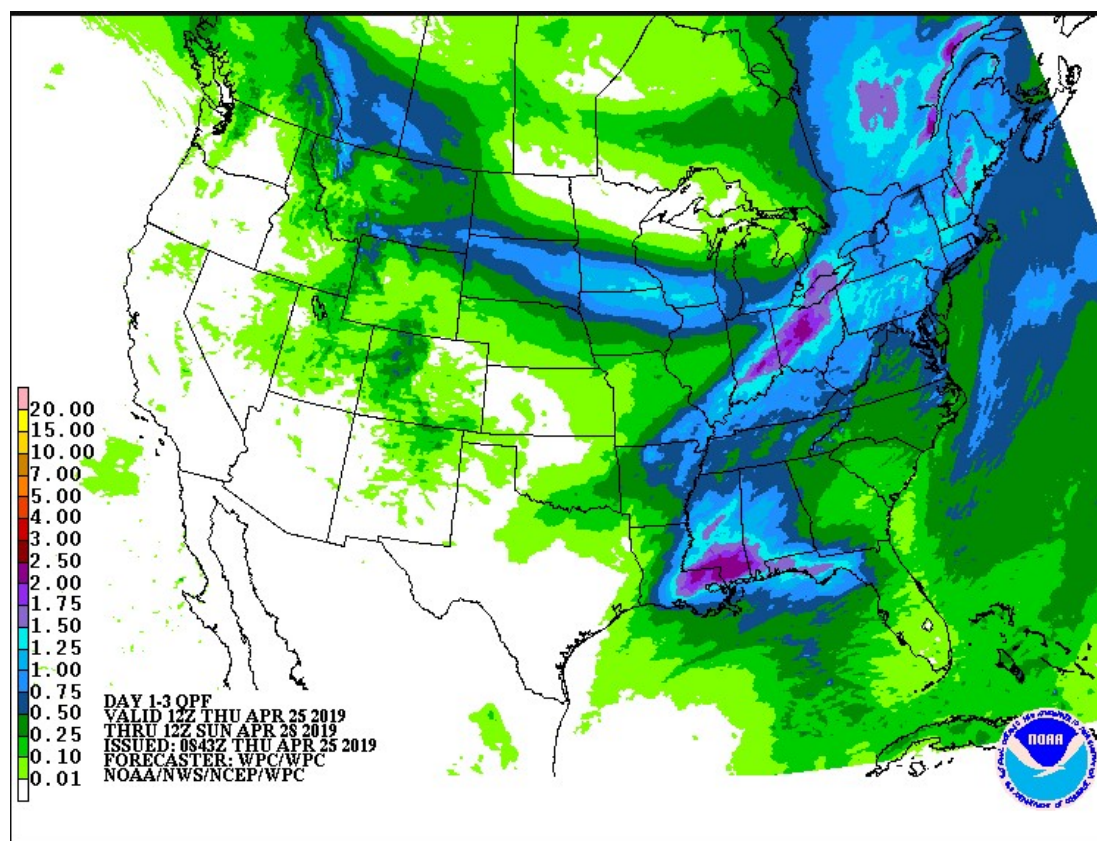
24-hour Observed Precipitation



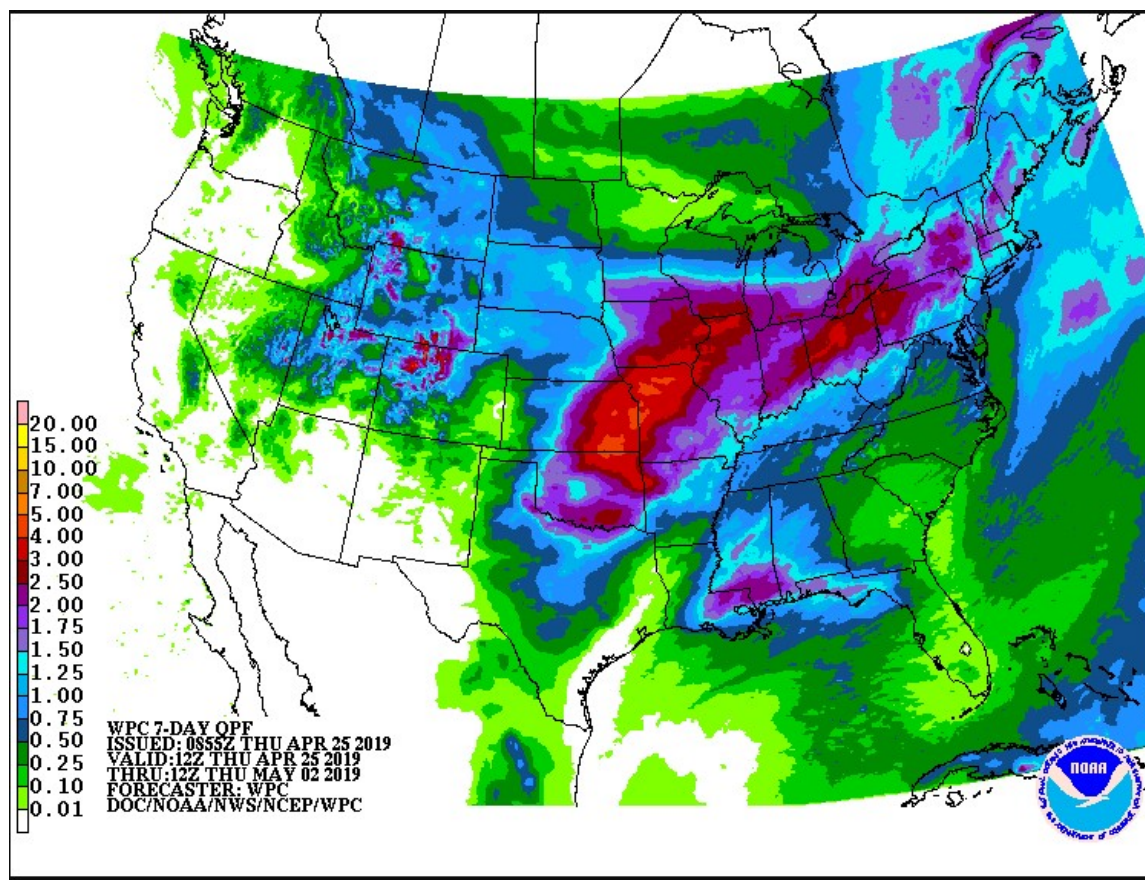


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3 Day Total Quantitative Precipitation Forecast (QPF)

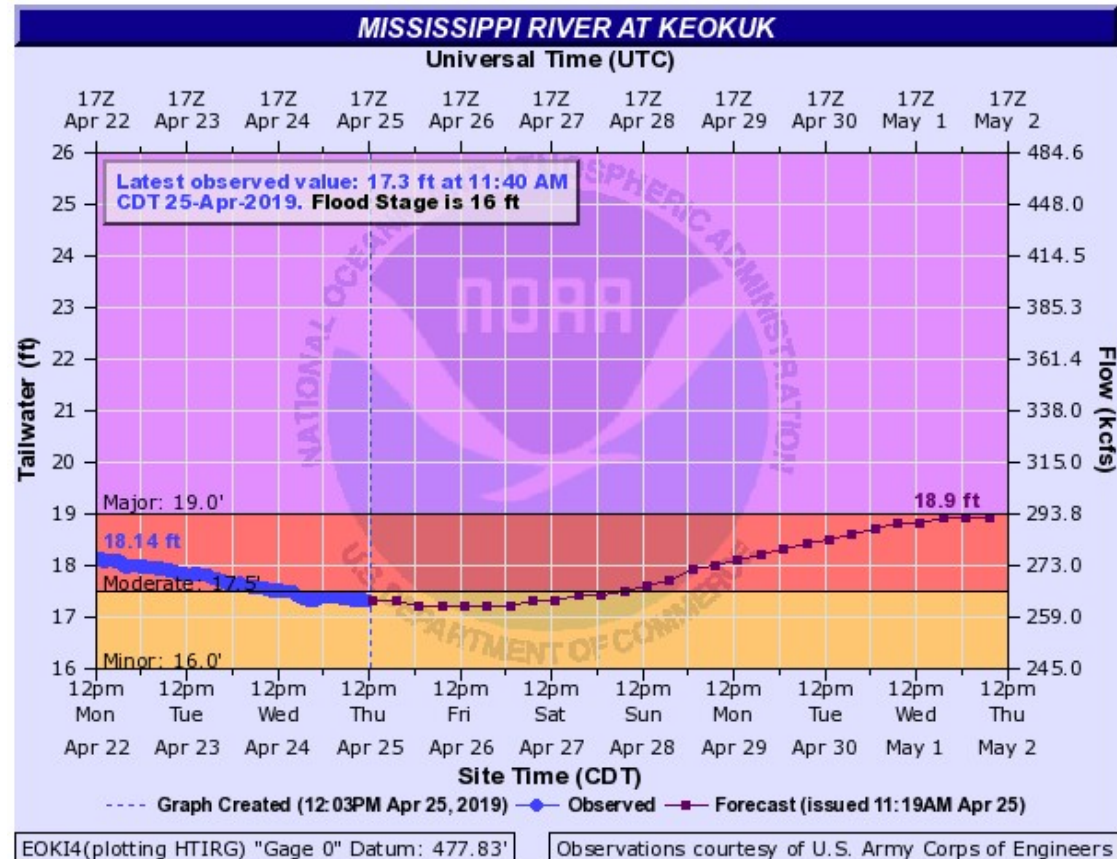


7-Day Total Quantitative Precipitation Forecast (QPF)





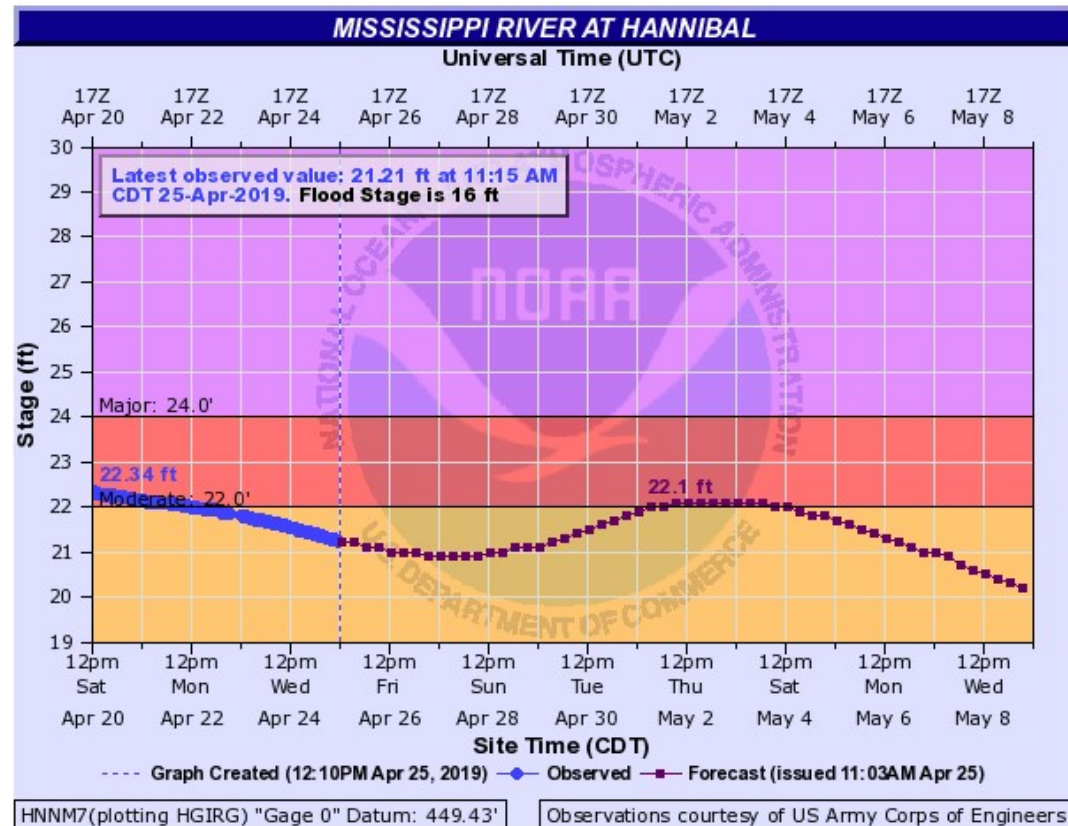
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- The Mississippi River at Keokuk has receded to minor flood stage. The river is however expected to rise again back into moderate flood stage by next week.
- At Keokuk, the river levels of 19 feet close U.S Highway 61 at the bridge over the Des Moines River and affect County Road 12.



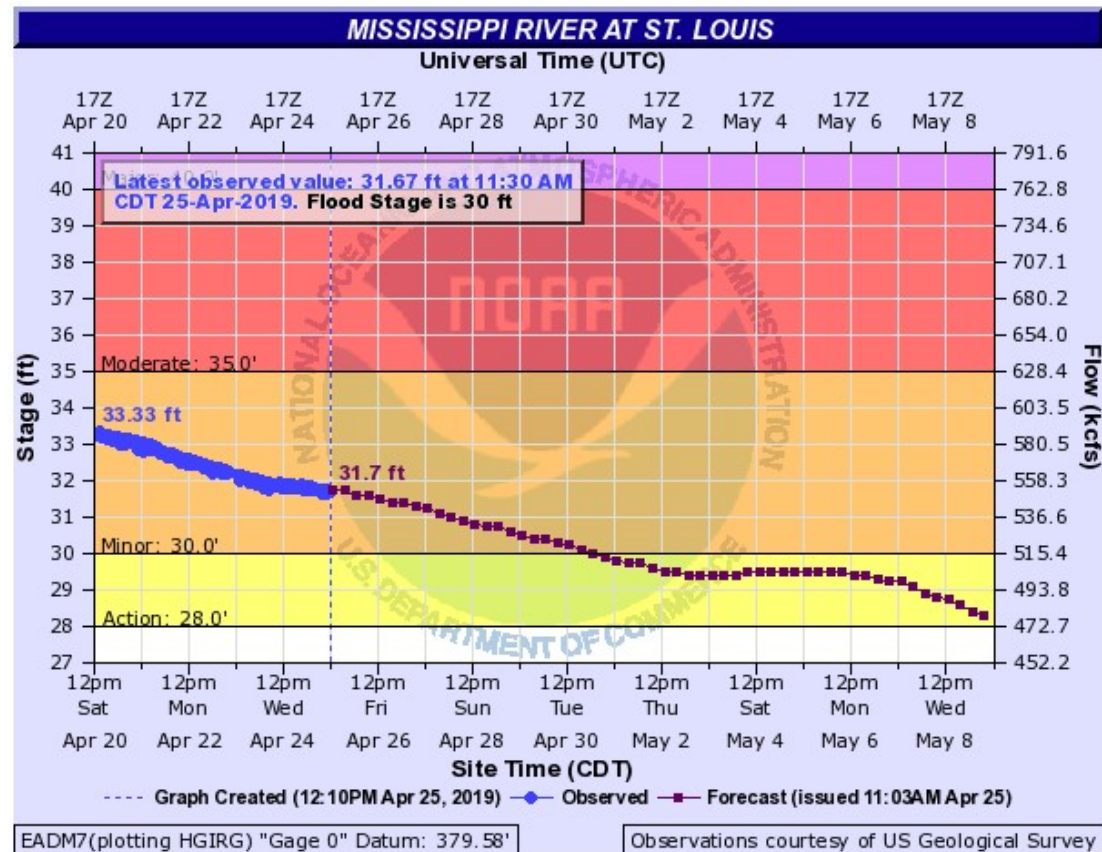
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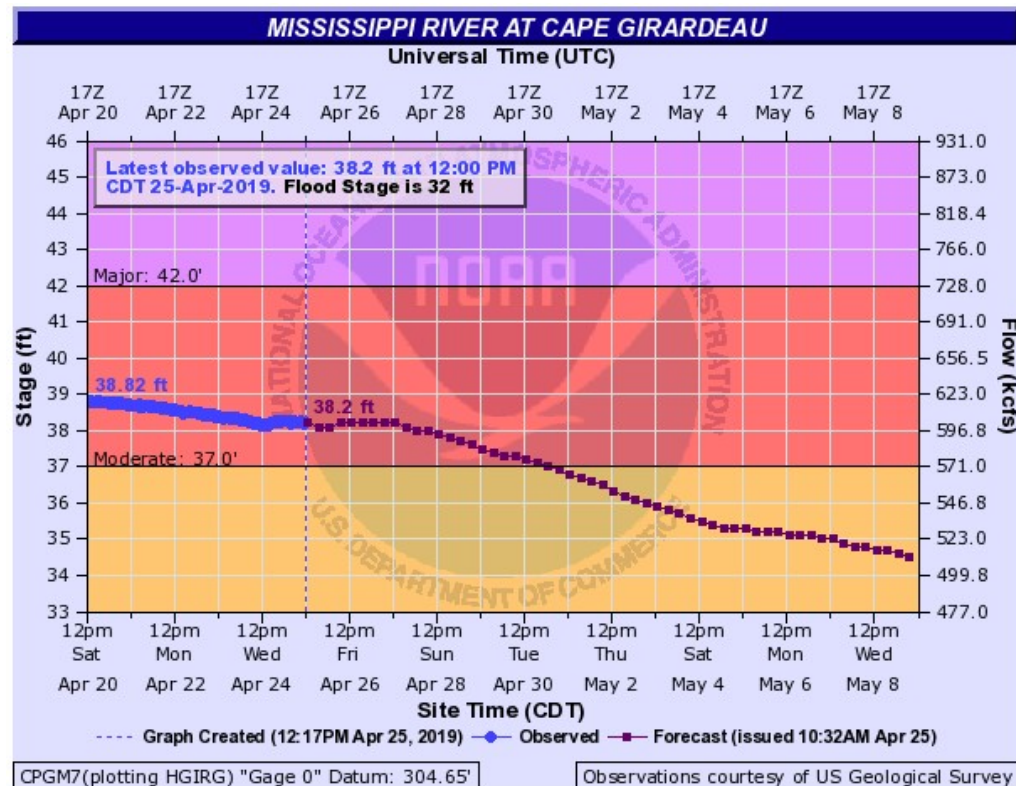
- The Mississippi River at Hannibal has receded to minor flood stage and is expected to rise again near moderate flood stage next week.
- At 22.8 feet Highway 79 begins flooding south of Hannibal, and it may be closed from south of Hannibal to Route N and flood gates at Broadway Avenue and Main Street are installed.



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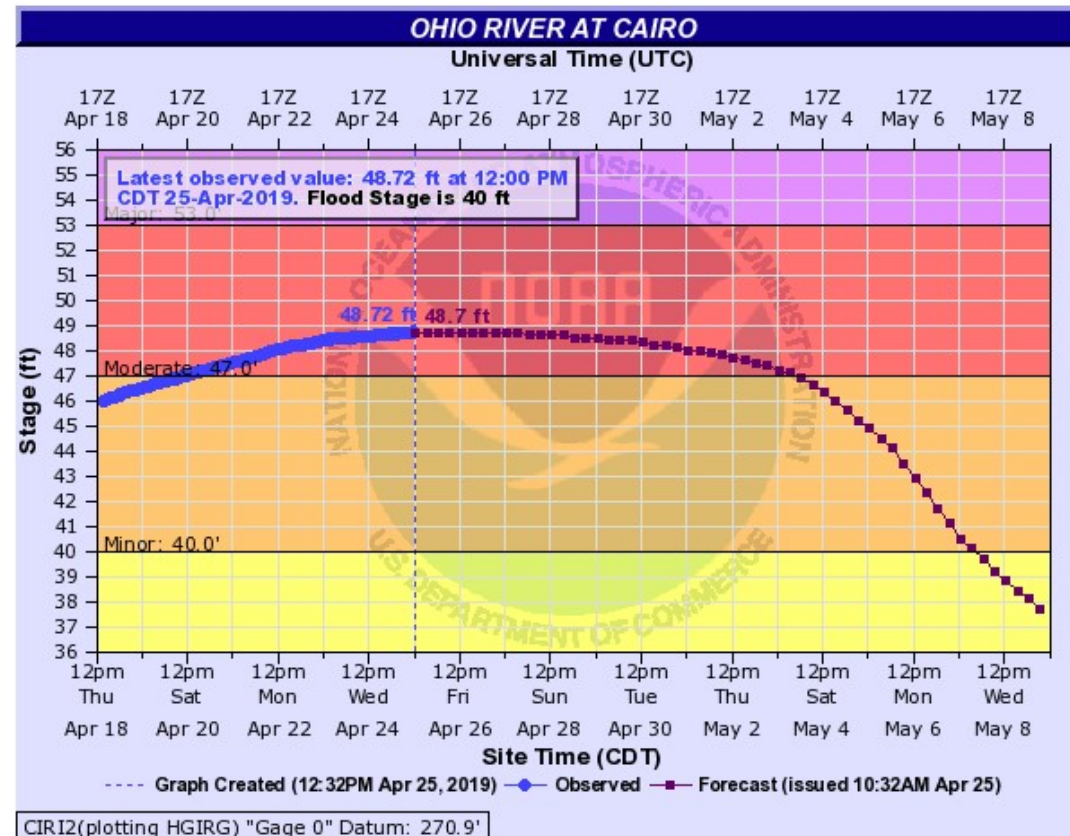
- The Mississippi River at St. Louis is in minor flood stage at 31.7 feet and is expected to recede.



- The Mississippi River at Cape Girardeau is in moderate flood stage at 38.2 feet and is expected to continue receding.
- At Cape Girardeau at 36 feet the flood gage at Themis Street closes and at 38 feet the flood gate at Broadway Street closes.



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- The Ohio River (at the confluence with the Mississippi River) at Cairo, Illinois is in minor flood stage at 48.7 feet and starting to crest.

Resources for Further Information

- Department of Natural Resources Flood Page:
<https://dnr.mo.gov/flood>
- National Weather Service – Mississippi River Flooding:
<https://www.weather.gov/dvn/MississippiRiverOutlook>
- National Weather Service – River Forecasts, Missouri Basin:
https://www.weather.gov/dvn/River_Levels#Top
- Missouri Water Resources Center – Mississippi River Informational Page: https://dnr.mo.gov/geology/wrc/interstate-waters/mississippi_river.htm